BRUHATH BANGALORE MAHANAGARA PALIKE

YALAHANKA ELECTRICAL DIVISION

E MEASUREMENT BOOK

Name of work:- Providing LED lights and Control awitches in Jakkur Ward Surroundings area in ward no 05

BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work: :- Providing LED lights and Control awitches in Jakkur Ward Surroundings area in ward no 05

Name of Contractror of nature of Agency:- M/s,Chowdeshwari Electricals,

Job Code No:- 005-19-000023

Ref no and Date of commencement of work:-EE/YZ/WO/000027/ 2019-20Date:- 23/08/2019

Measurement Book No: **Page No:**

Bill NO :-

Sl. No.	Description of item	Unit	Present Measurements		
			Qty	Tender Full Rate	Cost
1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II. LED Streetlight 65watts	Nos	1	13665.60	13665.60
2	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos	52	1589.44	82650.88
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	52	2952.12	153510.24

1	VE/05/BL/00/TC352/06/S	6TH Cross,, Balajikrupa layout				
2	VE/05/BN/MR/TC/04/S	#10, 4TH Cross, Basavalingappa Nagara				
3	VE/05/BN/AMR/TC445/03/S	4th B Cross, Basavalingappa Nagara				
4	VE/05/BN/AMR/TC445/05/S	4th B Cross, Basavalingappa Nagara				
5	VB/05/BN/00/4B/TC445/03/S	4th B Cross, Basavalingappa Nagara				
6	VE/05/CL/00/06/TC92/07/S					

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7	VE/05/CL/00/06/TC116/6	Kogilu layout, bande road				
8	VE/05/KMR/TC306/01/S	Kogilu main road				
9	VE/05/KL/12/00/TC/02/S	Kogilu layout				
10	VE/05/BMR/TC390/S	Major Sandeep Unnikrishnan road				
11	VE/05/K/02/00/TC216/02/S	Grama devatha Mariyamma Temple				
12	VE/05/AL/MR/TC539/57/S	Agrahara layout main road				
13	VE/05/AL/MR/TC104/01/S	Agrahara layout main road				
14	VE/05/JMR/TC76/10/S	Telecom layout, JNRC				
15	VE/05/EFR/TC242/167/F	Telecom layout				
16	VE/05/MRP/01/00/TC/239/11					
17	VE/05/MRP/02/00/TC247/13/S					
18	VE/05/MTR/TC125/08/S					
19	VE/05/SP/03/00/TC125/02/S					
20	VE/05/TL/00/15/TC/10/F	Telecom Layout				
21	VE/05/TL/01/00/TC274/02/S	Telecom Layout				
22	VE/05/EFR/TC20/215/F	9th cross, MCECHS layout				
23	VE/05/MIP/TC01/TV/202/61/S	12th cross, MCECHS layout				
24	VE/05/EFR/TC197/21/S	Main road				
25	VE/05/EFR/TC199/205/F	14th cross, MCECHS layout				
26	VE/05/SMR/TC/58/S	Sri Ram Pura main road				
27	VE/05/CA/04/03/TC477/01/S					
28	VE/05/CA/04/03/TC477/02/S					
29	VE/05/CMR/TC477/67/S					
30	VE/05/CMR/TC477/274/S	Mookambika Condiments				
31	VE/05/PN/PMR/TC347/06/S	4th cross, Prakruthi Nagara				
32	VE/05/PN/00/08/TC347/05/S	8th cross, Prakruthi Nagara				
33	VE/05/PN/00/05/TC347/06/S	5th cross, Prakruthi Nagara				
34	VE/05/PL/01/00/TC/01/S	1st cross, Prakruthi Nagara				
35	VE/05/PL/02/00/TC64/11/S	2nd cross, Prakruthi Nagara				
36	VE/05/PL/01/00/TC04/S	1st Main, 2nd cross, Prakruthi layout				
37	VE/05/AL/MR/TC102/52/S	11th cross, Thirrumenahalli road				
38	VE/05/AL/01/12/TC105/15/S	Agrahara layout				
39	VE/05/AL/65/TC217/03/S	Agrahara layout				
40	VE/05/KE/MRR/TC/07/04/S					
41	VE/05/AL/01/19/TC107/10/S					
42	VE/05/AL/01/21/TC106/04/S					
43	VE/05/AL/01/00/TC105/13/S					
44	VE/05/AL/01/17/TC218/04/S					
45	VE/05/BH/JMR/TC403/08/S					
46	VE/05/BH/01/00/TC163/02/S					
47	VE/05/NL/00/01/TC534/01/S					
48	GE/03/TC06/VSR/33/S	Veera Sagar Road, Attur				
49	GE/03/TC206/AP/AM/00/01/S	Ananthpura, Attur main road				
50	GE/03/TC351/AP/12/00/08/S	Ananthpura, Attur main road				
51	GE/03/TC116/AMR/00/18/S	Ananthpura main road				
52	GE/03/TC04/YS/00/06/S					
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 25 sqmm Long Barrel		Nos	120	15.03	1803.60

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5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer		Mtrs	341	120.45	41073.45
6	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm		Mtrs	341	10.80	3682.80
7	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm		Mtrs	50	191.99	9599.50
8	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).		Mtrs	1995	21.90	43690.50
	VE/05/K/PDR/TC/390/09/S TOVE/05/K/PDR/TC/390/01/S	8 Spans244 Mtrs				
	VE/05/ML/11/00/TL/01 TO VE/05/ML/11/00/TL/07	5 Spans150 Mtrs				
	VE/05/BMR/00/TC/389/01/S TO VE/05/BMR/00/TC/389/06/S 11th Cross Krsihnadevaraya Badavane Kogilu	5 Spans127 Mtrs				
	VE/05/AFR/TC319/09/S TO VE/05/AFR/TC319/12/S	3 Spans105 Mtrs				
	VE/05/AFR/TC319/0/S TO VE/05/AFR/TC319/8/S 1ST Phase Vidhana Soudha Badavane Jayasurya Nagara	8 Spans240 Mtrs				
	VE/05/BL/00/02/TC318/04/LED TO VE/05/BL/00/02/TC318/01/LED	3 Spans114 Mtrs				
	VE/005/VL/01/008/TC/5/S TO VE/005/VL/01/008/TC/15/S	10 Spans320 Mtrs				
	VE/05/A/10/00/TC89/14/S TO VE/05/A/10/00/TC89/06/S	8 Spans290 Mtrs				
	VE/05/AL/00/03/TC/04/04/S TO VE/05/AL/00/03/TC/04/12/S	8 Spans224 Mtrs				
	VE/05/MN/01/00/TC/08/01/ S TO VE/05/MN/01/00/TC/08/10/ S	8 Spans240 Mtrs				
	VE/05/SG/01/TC/08/01/ S To VE/05/SG/01/TC/08/04/ S	3 Spans90 Mtrs				
9	1.1 KV Pin Insulator		Nos	58	32.12	1862.96
10	No. 8 Strain Insulator		Nos	10	10.22	102.20
11	2 Pin 45x45x5mm -510mm		Nos	58	223.00	12934.00
		Total Rs				**364575.73**

CERTIFICATE:

1.This is certify that the work done is saticefactorily.

2.This is certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

E.E. (Electricals)